NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23 Date: 18-03-2023

To,
The Executive Engineer,
Yelahanka Division,
Bangalore.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Name of Work:Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05)

Item No	Description of work	Unit	Qty	Remarks
3	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly	Cum	468.93	Work done upto the Billed Quantity and the Quality is Satisfactory
4	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not	Cum	129.01	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	Cum	87.84	Work done upto the Billed Quantity and the Quality is Satisfactory
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all	Cum	52.70	Work done upto the Billed Quantity and the Quality is Satisfactory
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick made of M25 with OPC cement @ 340kgs per Cum with 20 mm and Down size graded granite metal coarse agg @.70	Sqm	61.94	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	Cum	54.94	Work done upto the Billed Quantity and the Quality is Satisfactory
11	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	28.07	Work done upto the Billed Quantity and the Quality is Satisfactory

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Item No	Description of work	Unit	Qty	Remarks
14	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all	Cum	0.00	Work done upto the Billed Quantity and the Quality Is Satisfactory
	Above 125%	Cum	6.04	Work done upto the Billed Quantity and the Quality
15	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as			
	Above 125%	Nos	672.00	Work done upto the Billed Quantity and the Quality is Satisfactory
16	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. MORTH Chapter 803	Sqm	1817.03	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	Sqm	133.53	Work done upto the Billed Quantity and the Quality is Satisfactory
17	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum	Sqm	895.73	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	Sqm	385.22	Work done upto the Billed Quantity and the Quality is Satisfactory
26	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	Cum	600.19	Work done upto the Billed Quantity and the Quality is Satisfactory
27	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading,	Cum	384.29	Work done upto the Billed Quantity and the Quality is Satisfactory
53	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting,	Cum	381.40	Work done upto the Billed Quantity and the Quality is Satisfactory
63	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse	Cum	22.60	Work done upto the Billed Quantity and the Quality is Satisfactory
64	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021	Ton	4.96	Work done upto the Billed Quantity and the Quality is Satisfactory

Item No	Description of work	Unit	Qty	Remarks
66	Providing 12 mm cement plaster with Cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement to brick masonry including rounding off corners wherever required	Sqm	176.90	Work done upto the Billed Quantity and the Quality is Satisfactory
67	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster with	Sqm	285.77	Work done upto the Billed Quantity and the Quality is Satisfactory
68	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2	Sqm	80.10	Work done upto the Billed Quantity and the Quality is Satisfactory
69	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with	Sqm	5.73	Work done upto the Billed Quantity and the Quality
70	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high	Sqm	11.34	Work done upto the Billed Quantity and the Quality is Satisfactory
71	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade :New work (two coats) over and including water thinnable priming coat with cement primer after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (SR, 2021-22 Vol-2, SI No 8.25 , P No:45)	Sqm	261.05	Work done upto the Billed Quantity and the Quality is Satisfactory
72	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand	Sqm	283.43	Work done upto the Billed Quantity and the Quality is Satisfactory
74	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This	Rmt	108.00	Work done upto the Billed Quantity and the Quality is Satisfactory
75	1.Raw Water pump Qty officer-one number type Mon Block centrifugal operation flow rate -4M3hr operation pressure.4.0kg/cm2 type of drive- phase squirred cage induction	Each	3.00	Work done upto the Billed Quantity and the Quality is Satisfactory
76	supplying heavy gauge pvc conduit pipe... dia confirming to IS 2509 with suitable size benda. Junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall	mtr	84.00	Work done upto the Billed Quantity and the Quality is Satisfactory

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Item No	Description of work	Unit	Qty	Remarks
77	Suppling... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc..., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire	mtr	84.00	Work done upto the Billed Quantity and the Quality is Satisfactory
78	Groove cutting In the wall suppling.. Dia 2mm/2.5mm thick heavy gauge PVC Conduit pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run	mtr	84.00	Work done upto the Billed Quantity and the Quality is Satisfactory
79	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc.,.(ELE SR 2019-20 Page-2, Item-	Each	9.00	Work done upto the Billed Quantity and the Quality is Satisfactory
80	supplying and fixing PVC/ Metal conduit accessories. (3/5) (ELE SR 2019-20 Page-3, Item-1.5.3)	Each	3.00	Work done upto the Billed Quantity and the Quality is Satisfactory
81	Suppling and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complet. (ELE SR 2019-20 Page-3,	mtr	15.00	Work done upto the Billed Quantity and the Quality is Satisfactory
82	Suppling and wiring adopting loop system in existing PVC Conduit/ casting capping using copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP control switch	Each	18.00	Work done upto the Billed Quantity and the Quality is Satisfactory
83	Suppling and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos, of machines screws, bolts nuts etc., complete on the	No	15.00	Work done upto the Billed Quantity and the Quality is Satisfactory
84	Supplying and fixing of 32 Amps security and energy saving DP switch with key tag suitable to operate on 230 volts, 50Hz AC supply and completely wired on existing box. ELE SR 2019-20 Page-	Each	2.00	Work done upto the Billed Quantity and the Quality is Satisfactory
85	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm.. Etc as required. ELE SR 2019-20 Page-3, Item-1.8.1)	mtr	45.00	Work done upto the Billed Quantity and the Quality is Satisfactory
87	Supplying PVC/GI Flexible conduit pipe.. Mm dia fixing on surface over inverted wooden pugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using	Each	48.00	Work done upto the Billed Quantity and the Quality is Satisfactory
88	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws.. ELE SR 2019-20 Page-10, Item-3.10.2)	Each	48.00	Work done upto the Billed Quantity and the Quality is Satisfactory
90	Earth work excavation for Foundation by mechanical means for all works & depth upto 1.5 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other	Cum	47.07	Work done upto the Billed Quantity and the Quality is Satisfactory

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Item No	Description of work	Unit	Qty	Remarks
	Above 125%	Cum	48.54	Work done upto the Billed Quantity and the Quality is Satisfactory
93	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The	Cum	2.32	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	Cum	10.98	Work done upto the Billed Quantity and the Quality is Satisfactory
140	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to	Kgs	178.20	Work done upto the Billed Quantity and the Quality is Satisfactory
186	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring. I Group A 1 sqmm complete as per specifications and directions of the Engineer in charge	M	25.00	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	M	325.00	Work done upto the Billed Quantity and the Quality is Satisfactory
E1	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. Volume-2 Pg- 17 Item No6.33PWD SR 21-22	Sqm	179.12	Work done upto the Billed Quantity and the Quality is Satisfactory
E2	UPVC Windows Providing & fixing of2-track x 2-panel sliding windowssliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum	Sqm	8.10	Work done upto the Billed Quantity and the Quality is Satisfactory

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Part bill

Thanking you,

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With Regards,

For Newzen Consultant, Bangalore

NEWZEN CONSULTANT * Bangalore *

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/AMG/2022-23/P5 /

Date: 18-03-2023

To,
The Executive Engineer,
Yelahanka Division,
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of Work:Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05)

Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
1	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality labour Usage charges of	Cum	216.85	3	Per 90 cum
2	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works	Cum	52.70	2	Per 50 cum
2	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works	Cum	6.04	1	Per 50 cum
3	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200	Tn	4.96	4	Per 500 Dia
4	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top width 100mm and Bottom width 150mm	Nos	672.00	2	Per 500 Nos

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Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
5	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture	Sqm	1280.96	4	Per 500 Sqm

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 3rd and Part bill

Thanking you,

With Regards,

For Newzen Consultants Bangalore

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